

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical
Information Center (STIC) no errors detected.

Application Serial Number: 10/726,571
Source: IFWO
Date Processed by STIC: 10-18-04

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IFWO

RAW SEQUENCE LISTING

DATE: 10/18/2004

PATENT APPLICATION: US/10/726,571

TIME: 10:44:29

Input Set : A:\52842US-10-11-2004.ST25.txt

Output Set: N:\CRF4\10182004\J726571.raw

MILD

3 <110> APPLICANT: KHATIB, Hasan
 5 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR GENETICALLY DETECTING IMPROVED
 6 PRODUCTION TRAITS IN CATTLE
 8 <130> FILE REFERENCE: 011335.52842US
 10 <140> CURRENT APPLICATION NUMBER: 10/726,571
 11 <141> CURRENT FILING DATE: 2003-12-04
 13 <160> NUMBER OF SEQ ID NOS: 6
 15 <170> SOFTWARE: PatentIn version 3.2
 17 <210> SEQ ID NO: 1
 18 <211> LENGTH: 1380
 19 <212> TYPE: DNA
 20 <213> ORGANISM: Bos taurus
 22 <400> SEQUENCE: 1

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25	tgctgctggc	agccctgtgc	tgccctggccc	ccatctccct	ggctggagtt	ctccaaggac	120
27	acgctgtcca	agagacagat	gatacatccc	accaggaagc	agcgtgccac	aagattgccc	180
29	ccaacctggc	caactttgcc	ttcagcatat	accaccattt	ggctcatcag	tccaacacca	240
31	gcaacatctt	cttctccccc	gtgagcatcg	cttcagcctt	tgcgatgctc	tccctgggag	300
33	ccaagggcaa	cactcacact	gagatcctga	agggcctggg	tttcaacctc	actgagctcg	360
35	cagaggctga	gatccacaaa	ggctttcagc	atctttctcca	cacctgaac	cagccaaaacc	420
37	accagctgca	actgaccact	ggcaatggtc	tgttcatcaa	tgagagtgca	aagctagtgg	480
39	atacgttttt	ggaggatgtc	aagaacctgt	atcactccga	agccttctcc	atcaacttca	540
41	gggatgctga	ggaggccaag	aagaagatca	acgattatgt	agagaaggga	agccatggaa	600
43	aaattgtgga	gttggttaaag	gttcttgacc	caaacacagt	ttttgctctg	gtgaattaca	660
45	tttcctttaa	aggaatatgg	gagaagccct	tcgagatgaa	gcacaccaca	gagaggggact	720
47	tccatgtgga	cgagcaaacc	actgtgaagg	tgcccatgat	gaaccgcctg	ggcatgtttg	780
49	acctccacta	ctgcgacaag	ctcgccagct	gggtgctgct	gttggactac	gtgggcaacg	840
51	tcaccgcctg	cttcacacctg	cccgcacctg	ggaaactgca	gcagctggag	gacaagctca	900
53	acaacgaact	cctcgccaag	ttcctggaaa	agaaatatgc	aagttctgcc	aatttacatt	960
55	tgcccaaact	gtccatttct	gaaacgtacg	atctaaaaag	tgctcctgggc	gatgtgggca	1020
57	tcaccgaggt	cttcagcgat	agggctgacc	tctcagggat	caccaaggaa	cagcctctga	1080
59	aggtgtccaa	ggctctccac	aaggctgcac	tgaccatcga	tgagaaaggg	acagaagctg	1140
61	tcgggtccac	gtttctggaa	gccatcccca	tgccccctcc	cccagacgtc	gagttcaaca	1200
63	gacccttcct	ctgcacacctc	tacgacagaa	acaccaaadc	tccccctctc	gtgggaaagg	1260
65	tggtgaatcc	cacccaagcc	taactgcctc	tcggagttca	gccttccccct	cccaggccag	1320
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70 <210> SEQ ID NO: 2
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 72 <212> TYPE: DNA
 73 <213> ORGANISM: Artificial
 75 <220> FEATURE:
 76 <223> OTHER INFORMATION: oligonucleotide primer
 78 <400> SEQUENCE: 2

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85 <213> ORGANISM: Artificial
87 <220> FEATURE:
88 <223> OTHER INFORMATION: oligonucleotide primer
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100 <223> OTHER INFORMATION: oligonucleotide primer
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108 <212> TYPE: DNA
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128 taccaggcag actccatggg agggctggtg cccaggggtr aggagtgaag gtcctgtcct 180
130 tgaggacgtc ctcccagcc tggaaactgc ccgttcctgg tgcacaggga aagcaatgtc 240
132 aaattcatgt tgttggcaaa cccagaaaga agaggatgga ctttttggca aaggtggcag 300
134 ttgaatgtag attacaggat agagtgtgga ttacaggcta aaaagtccac ggcaggatgg 360
136 gggcggggga ggggaggata atgcttggag cattatccaa gataatgctg aaaaagccaa 420
138 cgcccagagc aggaaactcc agcacctgtt tgaggctggt tctgattcct ctgtcattag 480
140 atgagtgtgg ttcgaccagg tccccatcat gcactccata tcagtacctg tctctgtgtt 540
142 tgtagatatg cccaggcccg gatgagcaat tttatcatgt ataacataaa acaaagatga 600
144 aaatacagaa aagtactcct cagccctct acagacgtca ctcaggacct accaccacac 660
146 cccacagtcc cctgggatcc tggccctggg ggagtcaccag tctagcgggt gtgatgaaac 720
148 cctacaggga agtagtgagt acagtccttc cagaagacac cccagatctc caggaggcct 780
150 tctcagagga ggtggccctt gagaggctct gcaggacaag aggatggccc tgattctaata 840
152 atcctctgac cctgggcata gaggaactaa aagtgggaata aaccaaagtg tgagagcacg 900
154 gggagagggc accaactgga aagaacaacc ggaaaaggaa gctctttcac tctgtgactt 960
156 ttttttttcc actacag                                     977

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Input Set : A:\52842US-10-11-2004.ST25.txt
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Invalid <213> Response:

Use of "Artificial" only as "<213> Organism" response is incomplete,
per 1.823(b) of New Sequence Rules. Valid response is Artificial Sequence.

Seq#:2,3,4,5

VERIFICATION SUMMARY

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